STATEMENT OF WORK
U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
SNAGGING AND DEBRIS REMOVAL
CAPE FEAR LOCKS & DAMS

The work consists of furnishing all labor, equipment, vehicles, vessels, materials and supplies necessary to perform the tasks for the project detailed in this Statement of Work. Location of the work is at three Cape Fear River Locks and Dams: Lock and Dam #1 is located at 996 Lock #1 Road, Riegelwood, North Carolina 28456, Lock and Dam #2 is at 645 Lock #2 Road, Elizabethtown, North Carolina 28337 and William O. Huske Lock and Dam is at 1248 Bill Hall Road, Fayetteville, North Carolina 28306.

PART I. DESCRIPTION OF WORK

1.1 Quote Item 1: Mobilization/Demobilization

The contractor shall mobilize all equipment, workers and materials necessary to perform the tasks for this project.

1.2 Quote Item 2 : Snag and Clear – Lock and Dam #1

The work includes removal and disposal of miscellaneous trash and debris, including dead and downed trees and sediment from behind each set of miter gates and within the lock chamber to allow the miter gates to open fully. In addition all trees or debris in the lock chamber and on the lock walls will need to be removed. (Please see yellow area in Attachment.)

a. The Lock Chamber: The chamber is 40 feet wide by 200 feet long. An estimated 6 feet of sediment on average throughout the structure will need to be removed. Trees or other debris on the lock walls or on the gates will need to be removed as well.

b. Upstream of Chamber: Sediment and debris upstream of the upper miter gates will need to be removed from an approximate 40 ft x 40 ft area outside the lock chamber. The miter gates extend 20 feet into the upstream channel when fully opened. This will allow the 20 foot wide gates to open completely plus provide an additional 20 feet of buffer to prevent sediment from immediately filling back in. Trees or other debris in this approximate 40 ft x 40 ft area will need to be removed as well.

1.3 Quote Item 3: Snag and Clear – Lock and Dam #2

The work includes removal and disposal of miscellaneous trash and debris, including dead and downed trees and sediment from behind each set of miter gates and within the lock chamber to allow the miter gates to open fully. In addition all trees or debris in the lock chamber and on the lock walls will need to be removed. (Please see yellow area in Attachment.)

a. The Lock Chamber: The chamber is 40 feet wide by 200 feet long. An estimated 6 feet of sediment on average throughout the structure will need to be removed. Trees or other debris on the lock walls or on the gates will need to be removed as well.

b. Upstream of Chamber: Sediment and debris upstream of the upper miter gates will need to be removed from an approximate 40 ft x 40 ft area outside the lock chamber. The miter gates extend 20 feet into the upstream channel when fully opened. This will allow the 20 foot wide gates to open completely plus provide an additional 20 feet of buffer to prevent sediment from immediately filling back in. Trees or other debris in this approximate 40 ft x 40 ft area will need to be removed as well.

1.4 Quote Item 4 : Snag and Clear –William O' Huske L&D

The work includes removal and disposal of miscellaneous trash and debris, including dead and downed trees and sediment from behind each set of miter gates and within the lock chamber to allow the miter gates to open fully. In addition all trees or debris in the lock chamber and on the lock walls will need to be removed. (Please see yellow area in Attachment.)

a. The Lock Chamber: The chamber is 40 feet wide by 300 feet long. An estimated 6 feet of sediment on average throughout the structure will need to be removed. Trees or other debris on the lock walls or on the gates will need to be removed as well.

b. Upstream of Chamber: Sediment and debris upstream of the upper miter gates will need to be removed from an approximate 40 ft x 40 ft area outside the lock chamber. The miter gates extend 20 feet into the upstream channel when fully opened. This will allow the 20 foot wide gates to open completely plus provide an additional 20 feet of buffer to prevent sediment from immediately filling back in. Trees or other debris in this approximate 40 ft x 40 ft area will need to be removed as well.

1.5 Trash, Sediment, and Debris Disposal

1.5.1 Trash Disposal

All trash and shall be disposed of offsite; the Contractor shall use a roll-off dumpster and/or recycling bin to store trash while contract is in progress prior to removing dumpster and/or bin at the conclusion of all work. Any removed material shall be transported and disposed of in accordance with applicable federal, state and local requirements at the Contractor's expense. Environmental sampling/testing required by the disposal facility will be the responsibility of the Contractor and the Contractor shall pay all costs of sampling/testing.

1.5.2 Woody Debris Disposal

Cutting and Placing

Woody debris shall be disposed of by cutting into manageable pieces and placing on shoreline downstream and opposite of the lock structure. Approximate area is shown in red on Appendix A.

Burning

If the Contractor wishes to burn debris, he shall be responsible for obtaining all necessary burning permits prior to the commencement of work. The Contractor shall conform with local and state ordinances pertaining to outdoor burning. Care shall be taken to locate burn piles a minimum of 100 feet away from the esplanades and boat ramps. No burning will be permitted on pavement or concrete. Burning pile locations will be approved by Corps representative prior to burning. Care shall be taken during burning process to avoid any effect on nearby trees that could cause damage. Fires shall not be left unattended by Contractor personnel. Containment of fires is the sole responsibility of the Contractor and the Contractor shall be responsible for any damage caused by a fire. The Contractor shall provide the Corps representative with a fire safety plan prior to the commencement of work. The plan must be approved by the Corps representative prior to actual burning.

Chipping

Chipping of woody debris is an acceptable alternative to burning; all such material may be uniformly broadcast in adjacent forested areas only, so as to not leave piles of chips on site. No chips will be permitted on riprap, pavement or in the river.

1.5.3 Sediment Disposal

Sediment may be deposited in tree line on the upstream shoreline opposite the lock structure. The disposal must be within a vegetated area within the Corps boundary

and well above the typical river bank. Exact disposal locations will be agreed upon by Contractor's officer Representative (COR) and Contractor.

1.6 Safety

The Contractor shall conform to standard OSHA practices and the U. S. Army Corps of Engineers Safety Manual (EM 385-1-1, 30 NOV 2014), (http://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_385-1-1.pdf).

The project cannot proceed until all safety submittals required under this contract have been reviewed and approved by the Contracting Officer (KO) or Contracting Officer Representative (COR). Locations where the work is to be performed include public use areas with visitors. Safety of visitors must be incorporated into work practices and plans.

The Contractor shall submit a site and project specific abbreviated Accident Prevention Plan (APP) for review and approval by the Government in accordance with the requirements in EM 385-1-1, Safety and Health Requirements Manual. A copy of this manual can be obtained online at http://www.usace.army.mil/CESO/Pages/EM385-1-1.aspx.

All Contractor mishaps, involving injuries, illnesses or property damage, occurring during the execution of this contract shall be reported to USACE within 4 hours of the contractor becoming aware of its occurrence. Reporting injuries, illness or property damage to the COR, when applicable, may be sufficient. Based on the severity of the injury, illness or property damage, more detailed reporting may be required.

No later than ten (10) business days prior to the start of work, the Contractor shall submit the abbreviated APP, abbreviated APP checklist, SSHO qualification and applicable AHA to the Contracting Officer. The submittals must be reviewed and approved by the Government prior to commencement of work.

1.7 Security

Contractor and associated sub-contractor employees shall comply with adjudication standards and procedures using the National Crime information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative, as NCIC and TSDB are available).

The Contractor must pre-screen Candidates using the E-verify Program (http://www.uscis.gov/e-verify) website to meet the established employment eligibility requirements. The Vendor must ensure that the Candidate has two valid forms of Government issued identification prior to enrollment to ensure the correct information is entered into the E-verify system. An initial list of verified/eligible Candidates must be provided to the COR no later than 3 business days after the initial contract awarded.

*When contracts are with individuals, the individuals will be required to complete a Form I-9, employment Eligibility Verification, with the designated Government representative. This form will be provided to the Contracting Officer and shall become part of the official contract file.

PART 2 PROJECT REQUIREMENTS

2.1 Submittals

Contractor shall submit to the USACE Contracting Officer within 10 business days of the contract award, unless otherwise noted herein, the following pre-work submittals:

1. Activity Hazard Analyses
2. Accident Prevention Plan (including equipment safety checklist)
3. Work Schedule
4. Site Safety and Health Officer (SSHO) Qualifications
5. Quality Control (QC) Daily Report

2.2 Work Hours

The Contractor may work during daylight hours Monday through Friday (excluding Federal holidays) to complete the work. In exigency situations, the Contracting Officer may direct and approve work to be completed on a weekend or holiday. Request for weekend work for the convenience of the contractor shall be made a minimum of 24 hours in advance of the anticipated work date and require prior approval of the Contracting Officer before commencing work.

2.3 Quality Control and Quality Assurance

The Contractor shall demonstrate that they have performed similar work with five (5) years prior to submittal of the bid. All work is to be performed by trained and qualified personnel. Contractor shall be required to develop and submit to the government at the end of each work day a Quality Control Daily Report that shows hours work, work areas, personnel, problems encountered, etc.

The Contractor, at no expense to the Government, shall protect all government facilities, grounds, equipment, sidewalk, and/or pavement during completion of the work. Damages that were caused by the operations of the Contractor and/or the Contractor's crew shall be repaired at no expense to the Government.

2.4 Equipment Requirements

The Contractor is required to deploy equipment that satisfies minimum performance condition. Equipment used will prevent damage to concrete, metal miter gates, timber navigational cells, asphalt, etc. and will support laborers and crew working to position, cut and secure chains or other apparatus for lifting material for placement on

the marine vessel deck or other locations. No steel-tracked vehicles shall be permitted on pavement. Any equipment used may not dislodge/displace existing riprap. The equipment to be used for clearing and snagging must be able to safely lift large debris at 40 feet from the face of its marine vessel. All equipment to be utilized on this project must safely perform the tasks necessary to maintain efficient contractor performance. An Equipment Safety Checklist is required of the Contractor as part of the project Accident Prevention Plan.

Sediment removal around the upper miter gates will require great care on the part of the Contractor to not damage any part of the lock structure; especially the gates, seals, valves or other mechanized portions of the structure. It is the Governments' recommendation that a submersible pump/dredge is used to pump sediment away from the miter gates, but a hydraulically controlled clamshell (or equipment that provides similar maneuverability) may be used. Damage to the structure or other Government property shall be repaired/restored to prior existing condition at the Contractor's expense prior to payment by the Government.

2.5 Project Schedule

The Contractor will have a 30-day performance period to complete work after all required permits are obtained, submitted, and approved.

2.6 Permits

"The selected contractor will be responsible for applying, receiving, and abiding by all state and federal environmental permits including, but not limited to, Section 10 of the Rivers and Harbors Act, Section 404 of the Clean Water Act, Section 401 of the Clean Water Act, and a North Carolina Coastal Area Management Act permit (if needed)."

2.7 Completion and Acceptance

A final inspection will be conducted by a Corps representative upon completion of the work and prior to payment. Work must be completed as specified within the project schedule. Damage to the site or other Government property shall be repaired/restored to prior existing condition at the Contractor's expense prior to payment by the Government.

PART 3 QUOTING INFORMATION

3.1 Pre-Bid Site Visit

There is no site visit scheduled at this time. If you feel you need a site visit, please contact the contract specialist via email with your request.

3.2 Quote Submission and Evaluation

The Contractor shall provide a price proposal for performing the work described in this SOW on the Bid Schedule provided. The prices proposed shall include the costs of all labor, material and equipment necessary to complete the work. The Contractor shall provide examples of two (2) similar projects successfully completed over the previous five (5) year period.

QUTOE SHEET
U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
SNAGGING AND DEBRIS REMOVAL
CAPE FEAR LOCKS & DAMS

Line Item No.	Description	Quantity	Unit	Unit Price	Total Price
1	Mobilization/Demobilization	1	Job		
2	Lock and Dam #1 - Snag and Clear	1	Job		
3	Lock and Dam #2 - Snag and Clear	1	Job		
4	William O' Huske L&D - Snag and Clear	1	Job		
5	Disposal Costs	1	Job		

Total Quote

3.3 Attached Documents

The following documents are included as supplements to this SOW and are intended as visual aids, and do not represent conditions to date:

- Attachment 1 – Approximate work and disposal locations.
- Attachment 2 – Location Map
- Photo 1 – Example Debris in Front of Upstream Gate at Lock and Dam #3

ATTACHMENT 1- WORK AREAS

ATTACHMENT 1- WORK AREAS CONT'D

ATTACHMENT 2- LOCATION

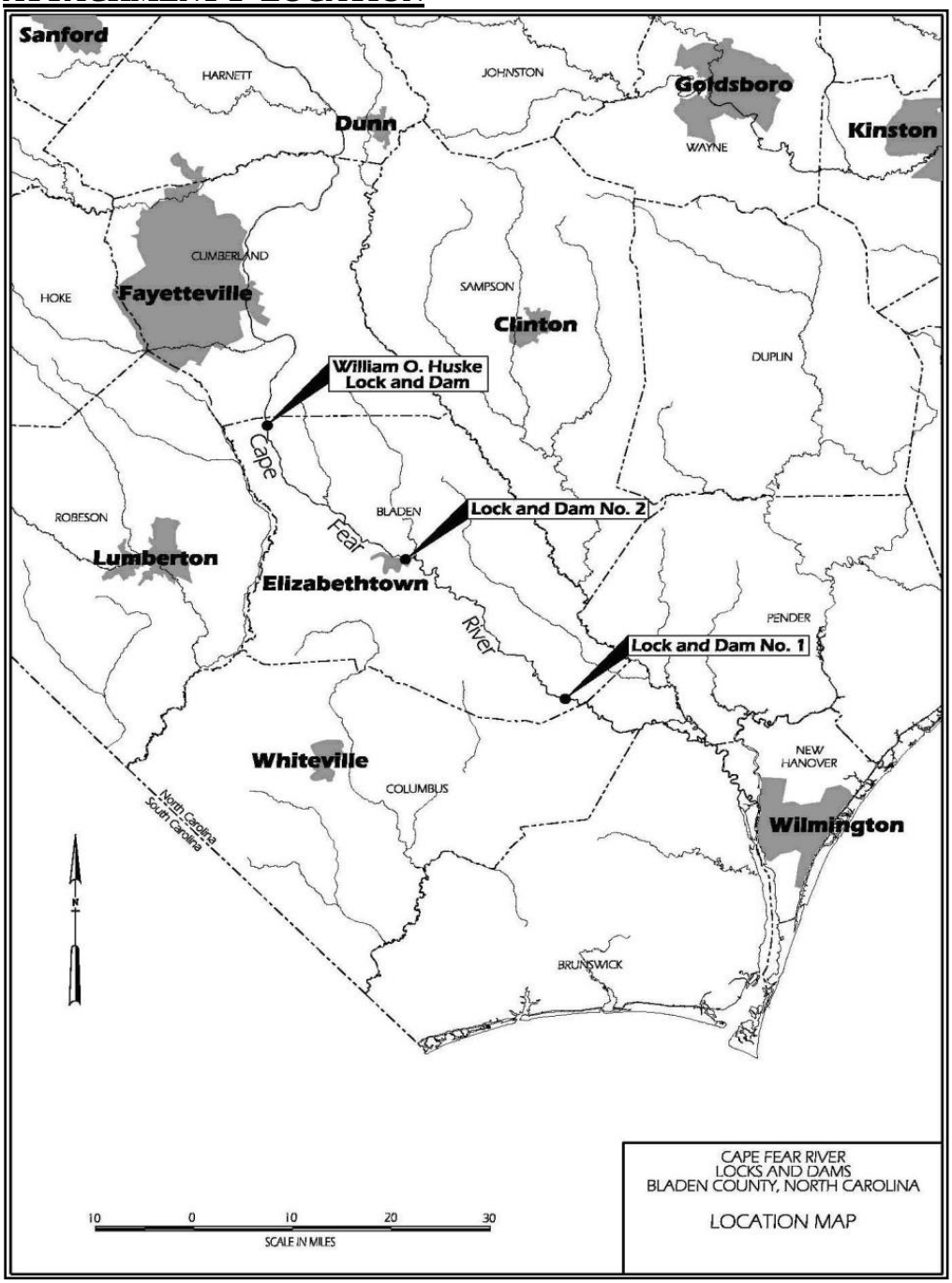

PHOTO 1 – EXAMPLE DEBRIS IN FRONT OF UPSTREAM GATE AT LOCK AND DAM #3